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(71)Applicant : FUJI PHOTO FILM CO LTD

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(72)Inventor : ISHIZUKA TAKAHIRO  
KIMURA KEIZO  
SANO KAZUE

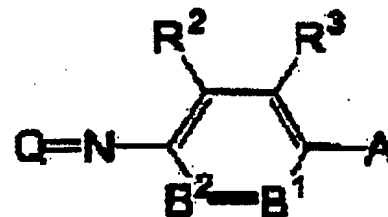
(54) COLORED FINE PARTICLE DISPERSION, INK-JET RECORDING INK USING THE SAME AND INK-JET RECORDING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a colored fine particle dispersion which has a small particle diameter of colored fine particles and, simultaneously, excels in dispersion stability, has small paper dependence and excels in color developability/tone in printing on any selected paper and, at the same time, water resistance and light-resistance.

SOLUTION: The colored fine particle dispersion comprises colored fine particles containing an oil-soluble dye which is preferably represented by formula (I) [wherein Q is an atom group necessary for the compound represented by formula (I) to have an absorption in the visible region and/or the near infrared region; A is -NR<sub>4</sub>R<sub>5</sub> or a hydroxy group; R<sub>4</sub> and R<sub>5</sub> are each independently a hydrogen atom, an alkyl group, an aryl group or a heterocyclic group; B<sub>1</sub> is =C(R<sub>6</sub>)- or =N-, B<sub>2</sub> is -C(R<sub>7</sub>)= or =N-, and R<sub>2</sub>, R<sub>3</sub>, R<sub>6</sub>, and R<sub>7</sub> are each independently a hydrogen atom or a substituent] and a terminal-dissociative vinyl polymer.

一般式 (I)



## LEGAL STATUS

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